



# TAYLOR MACHINE WORKS, INC. Transmission Diagnostic Checklist

Dealer Name: _____	Customer Name: _____
Dealer Address: _____	Customer Address: _____
Dealer Phone: _____	Customer Phone: _____
Email: _____	Contact Name: _____
Date: _____	Contact Email: _____

**MACHINE INFORMATION:**

Model: \_\_\_\_\_ Serial Number: \_\_\_\_\_

Hours: \_\_\_\_\_ In Service Date: \_\_\_\_\_

**TRANSMISSION INFORMATION:**

Model: \_\_\_\_\_ Serial Number: \_\_\_\_\_

Hours: \_\_\_\_\_ In Service Date: \_\_\_\_\_

Is this the original transmission or a replacement?  ORIGINAL  REPLACEMENT

*If the transmission is a REPLACEMENT, you must provide proof of the replacement including invoice, machine hours, at the time of replacement, and proof of the installation of new hoses and cooler.*

Description of Symptoms: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

If applicable, what is the APC error code displayed? \_\_\_\_\_

If applicable, does the transmission function properly when the APC is bypassed?  Yes  No

*For the following diagnostic test, the APC must be bypassed and the machine manually shifted:*

Were all connections on the transmission harness checked for loose pins and corrosion and/or worn spots?  Yes  No

Did the correct solenoids have power when in the correct gear/range?  Yes  No

Using an ohmmeter, check the resistance of like coil for comparison:

Are they within range?  Yes  No

Was a good ground present at all solenoids?  Yes  No

What kind of oil is currently in the transmission? \_\_\_\_\_

What is the charge pump pressure? \_\_\_\_\_

*Disconnect the inching mechanism from the actuator and leave it disconnected for the remainder of the test.*

How does the transmission inching mechanism function after being disconnected from the actuator?

\_\_\_\_\_

\_\_\_\_\_

What is the clutch pack pressure for the following? (If not applicable to transmission, leave blank.):

**Forward:** \_\_\_\_\_ **Reverse:** \_\_\_\_\_

**First:** \_\_\_\_\_ **Second:** \_\_\_\_\_

**Third:** \_\_\_\_\_ **Fourth:** \_\_\_\_\_

What is the converter out pressure and flow at full engine RPM? \_\_\_\_\_

Remove the transmission fluid and describe any foreign particles: \_\_\_\_\_

\_\_\_\_\_

Remove the suction strainer and describe any foreign particles found on the screen (i.e. metal, fiber, rubber, etc.):

\_\_\_\_\_

While straining the fluid to catch contaminants, remove the transmission filter and describe any foreign particles found when emptying:

\_\_\_\_\_

Have you spoken with a Taylor field service technician for troubleshooting?  Yes  No

If yes, provide the name of the technician and date they were spoken to:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**THIS FORM MUST BE COMPLETED IN ITS ENTIRETY FOR WARRANTY CONSIDERATION.  
THIS FORM MUST BE SUBMITTED WITH WARRANTY CLAIM DOCUMENTATION.**